



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/977,112	10/11/2001	Greg Mercurio	CISCP715	1734

54406 7590 01/31/2006

AKA CHAN LLP / CISCO  
900 LAFAYETTE STREET  
SUITE 710  
SANTA CLARA, CA 95050

EXAMINER

CAI, WAYNE HUU

ART UNIT PAPER NUMBER

2681

DATE MAILED: 01/31/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

<p align="center"><b>Office Action Summary</b></p>	<p>Application No.</p> <p align="center">09/977,112</p>	<p>Applicant(s)</p> <p align="center">MERCURIO, GREG</p>	
	<p>Examiner</p> <p align="center">Wayne Cai</p>	<p>Art Unit</p> <p align="center">2681</p>	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 13 January 2006.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-29 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-29 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 13 January 2006 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

## DETAILED ACTION

This Office Action is in response to Amendment dated January 13, 2006.

### *Drawings*

1. The drawings were received on 01/13/2006. These drawings are accepted.

### *Claim Rejections - 35 USC § 102*

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

3. Claims 1-4, 6-11, 13-17, 19-24, and 27-28 are rejected under 35 U.S.C. 102(e) as being anticipated by Kabala (US 6,539,393 B1).

**Regarding claims 1, and 7,** Kabala discloses a wireless transceiver device (i.e., a plurality of portable transceiver), the wireless transceiver device being arranged to interface with a roaming device (i.e., a plurality of badges), the wireless transceiver device comprising:

- computer code for causing static input information (i.e., transceiver's own identification codes, signal strength of the signals received from the

Art Unit: 2681

badges) associated with the wireless transceiver device to be accepted (col. 4, lines 52-67);

- a memory arranged to store data (i.e., the central processor 110 inherently has a memory to store data), the memory further including an editable field, wherein the computer code for causing the static input information to be accepted causes the static input information to be stored in the editable field (col. 4, lines 52-67);
- computer code for causing a record associate with the roaming device to be generate, the record being arranged to include the static input information stored in the editable field and data, wherein the computer code for causing the record associated with the roaming device to be generated further causes the record to be stored on the memory (see fig. 5, and its descriptions. Also, the central processor 110 would have a memory to store collected data);

Also, it is inherent that a processor for executing the computer codes, wherein the memory is further arranged to store the computer codes.

**Regarding claims 2, and 8,** Kabala discloses the wireless transceiver device of claims 1, and 7 as described above. Kabala further discloses including computer code for obtaining the data, wherein the data is obtained when the roaming device is in communication with the wireless transceiver device (i.e., when an attendee carries a badge and approach to the particular transceiver located at the booth).

**Regarding claims 3-4, and 9-10,** Kabala discloses the wireless transceiver device of claims 2, and 8 as described above. Kabala also discloses wherein the computer code for causing the record associated with the roaming device to be generated includes computer code for causing the record associated with the roaming device to be generated when the roaming device registers/deregisters with the wireless transceiver device (col. 5, lines 1-29).

**Regarding claim 11,** Kabala discloses the wireless transceiver device of claim 7 as described above. Kabala also discloses wherein the input information is a location associated with the wireless transceiver device (i.e., the booth identification).

**Regarding claims 6, 13, and 22,** Kabala discloses the wireless transceiver device of claims 1, and 7 as described. Kabala also discloses the wireless transceiver device is an access point (i.e., the transceivers, fig. 1, element 151-162, and the first device is a roaming device (i.e., the badges).

**Regarding claim 14,** Kabala, and Lee disclose the transceiver device of claim 13 as described above. Kabala also discloses wherein the access point is a pad of a wireless local area network, the transceiver device further including: means for obtaining the data from the first device (i.e., the badges, or attendee) when the first device is in communication with the transceiver device to access the wireless local area network. (col. 6, line 60 – col. 7, line 6).

**Regarding claim 15,** Kabala and Lee disclose the transceiver device of claim 14 as described above. Kabala also discloses wherein the means for generating the record associated with the first device includes means for placing the data obtained

Art Unit: 2681

from the first device in the record and means for placing the input information stored in the editable field in the record (fig. 5, and its descriptions).

**Regarding claim 16**, Kabala discloses the transceiver device of claim 15 as described above. Kabala also discloses wherein the means for generating the record further includes means for obtaining the input information from the editable field. (col. 6, lines 1-45)

**Regarding claim 17**, Kabala discloses a method for utilizing a transceiver device, the transceiver device being a wireless transceiver device, the transceiver device having a communications range, the method comprising:

- receiving static information into an editable field stored in memory associated with the transceiver device, the static information being information pertaining to the transceiver device (col. 4, lines 52-67);

Since the central processor 110 stores all the collected information from each badge, or each attendee (i.e., storing the static information into the editable field);

- receiving an indication that a roaming device is within the communications range (col. 5, lines 40-50);
- creating a record, the record being arranged to include information associated with the roaming device (fig. 5, and its descriptions);
- adding the static information into the record (fig. 5, and its descriptions);
- storing the record in the memory (col. 5, lines 62-67).

**Regarding claim 19**, Kabala discloses the method of claim 17 as described above. Kabala further discloses wherein the record is created after the indication that the roaming device is within the communications range is received (col. 5, lines 40-67).

**Regarding claim 20**, Kabala discloses the wireless transceiver device of claims 17 as described above. Kabala also discloses wherein adding the static information into the record includes reading the static information from the editable field (col. 6, lines 1-45).

**Regarding claim 21**, Kabala discloses the method of claim 17 as described above. Kabala also discloses wherein the static information is information associated with a location of the transceiver device (i.e., the badges information is associated with the booth identification which is a location of the transceiver device).

**Regarding claim 23**, Kabala discloses the method of claim 17 as described above. Kabala also discloses obtaining the information associated with the roaming device when the indication that the roaming device is within the communications range is received (col. 5, lines 40-67).

**Regarding claim 24**, Kabala discloses a method of configuring an access point comprising:

- positioning the access point at a desired location (fig. 1A, elements 181-184);
- determining an address of the desired location (i.e., the transceiver's own ID);

- storing the address in a memory field, the memory field being associated with the access point (col. 5, lines 58-62).

**Regarding claims 27, and 28,** Kabala discloses the method of claim 24 as described above. Kabala also discloses wherein the memory field is an editable field, and storing the address in the memory field includes: inputting the address into the access point (i.e., adding the wireless transceiver ID associated with a particular booth into the memory).

#### ***Claim Rejections - 35 USC § 103***

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. Claims 5, 18 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kabala in view of Nishino (US 6,233,452 B1).

**Regarding claims 5, and 18,** Kabala discloses the wireless transceiver device of claims 1, and 17 as described above, except wherein the static input information is a location associated with the wireless transceiver device, and the computer code for causing the static input information to be accepted include computer code for causing the static input information to be accepted from a source that is external to the wireless transceiver device.



In a similar endeavor, Nishino discloses a wireless information processing terminal and controlling method. Nishino also discloses wherein the static input information is a location associated with the wireless transceiver device, and the computer code for causing the static input information to be accepted include computer code for causing the static input information to be accepted from a source that is external to the wireless transceiver device (fig. 5, boxes S212 & S214 and its descriptions).

It would have been obvious to one of ordinary skill in the art at the time the invention was made to include the step of accepting static input from a source that is external to the wireless transceiver device because it is an alternative option to input information.

6. Claims 12, and 25-26 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kabala in view of Stewart et al. (hereinafter "Stewart") (US – 6,414,635 B1).

**Regarding claims 12, and 25,** Kabala discloses the system, and method of claims 7, and 24 as described above, except for wherein the address includes at least one of a longitude, a latitude, and an altitude of the desired location.

In a similar endeavor, Stewart discloses a geographic-based communication service system with more precise determination of a user's known geographic location. Stewart also discloses wherein the address includes at least one of a longitude, a latitude, and an altitude of the desired location (col. 15, lines 9-25).

It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify Kabala's invention by adding different information of the address to precisely locate the roaming device.

**Regarding claim 26**, Kabala discloses the method of claim 24 as described above, except wherein the address is determined using a global positioning system receiver.

In a similar endeavor, Stewart discloses a geographic-based communication service system with more precise determination of a user's known geographic location. Stewart also discloses wherein the address is determined using a global positioning system receiver (col. 7, lines 35-40).

It would have been obvious to one of ordinary skill in the art at the time the invention was made to include the global positioning system receiver in helping to determine the location of the roaming device.

7. Claim 29 is rejected under 35 U.S.C. 103(a) as being unpatentable over Kabala in view of Raviv et al. (hereinafter "Raviv") (US 2002/0164983 A1), and in further view of Stewart.

**Regarding claim 29**, Kabala discloses a method for utilizing an access point, the access point having a communications range, the method comprising:

- receiving static information into an editable field stored in a memory, the static information being information pertaining to the access point (col. 5, lines 58-67);

Art Unit: 2681

- storing the static information into the editable field (i.e., storing all collected data to the central processor 110);
- receiving an indication that a roaming device is within the communications range (col. 5, lines 40-50);
- registering the roaming device after the indication is received (i.e., when the transceiver starts collecting data from the badge)
- creating a record after registering the roaming device, the record being arranged to include information associated with the roaming device (fig. 5, and its descriptions);
- obtaining the static information from the editable field (col. 6, lines 1-15);
- adding the static information into the record (fig. 5, and its descriptions);
- storing the record in the memory (col. 5, lines 62-67).

Kabala does not specifically disclose:

- wherein registering the roaming device includes performing a remote authentication.

In a similar endeavor, Raviv discloses a method and apparatus for supporting cellular data communication to roaming mobile telephony devices. Raviv also discloses wherein registering the roaming device includes performing a remote authentication (paragraph 0254).

It would have been obvious to one of ordinary skill in the art at the time the invention was made to include the step of authenticating so that the identity could be verified, and service could be provided.

Furthermore, Stewart discloses a geographic-based communication service with more precise determination of a user's known geographic location. Stewart also discloses a memory located at the access point (paragraphs 0028, or 0036).

It would have been obvious to one of ordinary skill in the art at the time the invention was made to include a memory at the access point to store any data collected, or store any information as desired.

Even though the Examiner provides another prior art where it teaches of receiving static information into an editable field stored in a memory of the access point. However, it would have been obvious to one skilled in the art to modify Kabala's invention by implementing a memory embedded to the access point instead of a memory being located at the central processor 110 as described.


### ***Conclusion***

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Wayne Cai whose telephone number is (571) 272-7798. The examiner can normally be reached on Monday-Friday; 9:00-6:00; alternating Friday off.


If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Joseph Feild can be reached on (571) 272-4090. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2681

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Wayne Cai  
Examiner  
Art Unit 2681



ERIKA A. GARY  
PRIMARY EXAMINER